

From wang!elf.wang.com!ucsd.edu!info-hams-relay Sat Mar 23 02:42:26 1991 remote
from tosspot
Received: by tosspot (1.63/waf)
via UUCP; Sat, 23 Mar 91 09:46:55 EST
for lee
Received: from somewhere by elf.wang.com id aa04248; Sat, 23 Mar 91 2:42:25 GMT
Received: from ucsd.edu by relay1.UU.NET with SMTP
(5.61/UUNET-shadow-mx) id AA29092; Fri, 22 Mar 91 19:19:29 -0500
Received: by ucsd.edu; id AA03227
sendmail 5.64/UCSD-2.1-sun
Fri, 22 Mar 91 13:03:08 -0800 for brian
Received: by ucsd.edu; id AA03168
sendmail 5.64/UCSD-2.1-sun
Fri, 22 Mar 91 13:02:52 -0800 for /usr/lib/sendmail -oc -odb -oQ/var/spool/
lqueue -oi -finfo-hams-relay info-hams-list
Message-Id: <9103222102.AA03168@ucsd.edu>
Date: Fri, 22 Mar 91 13:02:46 PST
From: Info-Hams Mailing List and Newsgroup <info-hams-relay@ucsd.edu>
Reply-To: Info-Hams@ucsd.edu
Subject: Info-Hams Digest V91 #217
To: Info-Hams@ucsd.edu

Info-Hams Digest Fri, 22 Mar 91 Volume 91 : Issue 217

Today's Topics:

2m/70cm comparison chart
Alinco 590 (3 msgs)
Bicycle Power for Field Day
Drake R4C Service Manual?
ELF and cancer
FT-411
Fun with Balloons and long wires!
Ham Trader Yellow Sheets?
HR 2600
Icom CI V interface specs?
Looking for High Voltage Capacitors
Looking for Old Manuals
magnetic antennas for HF
Mailing lables
MAJOR SOLAR FLARE ALERT - 21 MARCH - TWO EVENTS
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Morse
non-11m 'CB' bands
Novice exam study material
Orbital Predictions for Unix
Sony 2001
TH-77A hum in TX audio

TH-77 mods
WEATHER FAX ON PC'S
Yaesu FT-470 Mods

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 13 Mar 91 15:20:38 GMT
From: vtserf!groupw.cns.vt.edu@uunet.uu.net
Subject: 2m/70cm comparison chart
To: info-hams@ucsd.edu

Thanks to everyone that sent me updates for the chart that I posted
yesterday. I will post a revised version in a day or two. I have not
heard anything from Alinco DJ-500T or DJ-560T owners. Doesn't anyone
have one of these?

Phil Benchoff
benchoff@groupw.cns.vt.edu

Date: 15 Mar 91 13:21:43 GMT
From: ZEN.CAC.STRATUS.COM!jay@ucbvax.berkeley.edu
Subject: Alinco 590
To: info-hams@ucsd.edu

The 590 manual is just being finished. It will probably take until
the end of next week before it is in the mail to ALINCO. If you
care to reach me , call (508)-460-2548 7:30am-4:00pm est.

For those who have mailed me with a SASE for a schematic, I just
received a reasonable copy and will get it off to you in the next
few days. I will include the manual into the info-hams newsletter
for later reference.

Jay (KA1SNA)

Date: 19 Mar 91 00:25:31 GMT
From: swrinde!zaphod.mps.ohio-state.edu!samsung!rex!uflorida!
ALEG8R%MAPLE.CIRCA.UFL.EDU@ucsd.edu
Subject: Alinco 590
To: info-hams@ucsd.edu

I need all the info that you guys can give me on the Alinco DR-590T
I am planning on buying a dual (TWIN) Bander, and this seems to be the
. Thank you for you help in a advance. -Jon KC4NWK

Date: 19 Mar 91 00:01:55 GMT
From: swrinde!zaphod.mps.ohio-state.edu!caen!uflorida!
ALEG8R%MAPLE.CIRCA.UFL.EDU@ucsd.edu
Subject: Alinco 590
To: info-hams@ucsd.edu

Why do you say that, I have had some experience with the 590,
and think that is a darn good radio. Would really like to know what you
dislike about the radio.

Date: 14 Mar 91 21:11:36 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!unix.cis.pitt.edu!hpb.cis.pitt.edu!
hpb@ucsd.edu
Subject: Bicycle Power for Field Day
To: info-hams@ucsd.edu

Our ham club is considering using bicycle power for our natural power
multiplier for Field Day this year.

- 1) Has anybody out there done this? I'd appreciate any comments.
- 2) How about suggesting some references?

Last year, we used solar power to great success. Not only did it
work well, we made the 11 PM TV news. Alternative power sources is a
great way to attract the media, and we're looking for a different
"gimmick" for this year.

73,
Harry Bloomberg WA3TBL

Date: 13 Mar 91 01:52:46 GMT
From: hpl-opus!hpnmdla!alanb@hplabs.hpl.hp.com
Subject: Drake R4C Service Manual?
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, gb@sunpix.East.Sun.COM (Gary Bishop - Sun Visualization Products) writes:

>I'm wondering if there is/was a service manual on the Drake 4-line? I
>can probably get everything I need from the owners manual but an
>original service manual might come in handy when trying to determine
>the detailed specifications for some of the parts.

As far as I know the owner's manual IS the service manual. It has the schematic, theory of operation and alignment procedures.

AL N1AL

Date: 13 Mar 91 19:45:44 GMT
From: hpl-opus!hpnmdla!alanb@hplabs.hpl.hp.com
Subject: ELF and cancer
To: info-hams@ucsd.edu

To put ELF (Extremely Low Frequency = 60 Hz) fields into perspective, a typical Computer monitor puts our magnetic fields on the order of a few milligauss, similar to what you get from many other electrical appliances.

The earth's magnetic field is about 500 milligauss (1/2 gauss). The argument is that the earth's field is DC and power line radiation is AC which might have different effects on the body. Now presumably the earth's field is benign (after all, our ancestors have been evolving in it for millions of years.) I have a hard time believing that AC fields 100 times weaker are all that bad.

AL N1AL

Date: 19 Mar 91 00:27:22 GMT
From: swrinde!zaphod.mps.ohio-state.edu!samsung!rex!uflorida!
ALEG8R%MAPLE.CIRCA.UFL.EDU@ucsd.edu
Subject: FT-411
To: info-hams@ucsd.edu

Does anyone know of the AM Aircraft mod for the FT-411. I know it exists because there was a gentlemen at a Hamfest offering this Also I am interested in a mods FTP site if anyone knows of one. Thank you in advance -JON KC4NWK

Date: 15 Mar 91 19:40:42 GMT
From: hpl-opus!hpnmdla!alanb@hplabs.hpl.hp.com
Subject: Fun with Balloons and long wires!
To: info-hams@ucsd.edu

Be aware that even a mild wind will cause a baloon-supported "vertical" to not live up to its name. :=) If you use helium, be sure to get a baloon made of impermeable material. I have found that the surplus weather baloons lose their helium in a few hours.

AL N1AL

Date: 13 Mar 91 15:41:11 GMT
From: world!ksr!jfw@uunet.uu.net
Subject: Ham Trader Yellow Sheets?
To: info-hams@ucsd.edu

youngqd@jacobs.CS.ORST.EDU (Dean Youngquist) writes:
I have issue #3A-91 in front of me here.
>I have these addresses for the ham trader yellow sheet:
> Ads & Subscriptions with ads to -> P.O. Box 10253
> Sarasota, FL 34232
Zip code should be ----->34278
and this address is good until the beginning of April, when the guy who does it moves back to Illinois for the summer. Unfortunately, they don't list that address on the winter copies...

> Subscriptions without ads -> P.O. Box 15142
> Seattle, WA 98115

This one is correct.

Date: 18 Mar 91 23:19:37 GMT
From: sun-barr!newstop!west!stan@decwrl.dec.com
Subject: HR 2600
To: info-hams@ucsd.edu

I posted a few weeks ago asking if any of you had any Mods for the Uniden HR 2600, so far I have yet to get any reply. What I have gotten were a lot of requests to pass on any info I get. So please if you know of any e-mail and I will post a summary

Thanks
Stan,kb6rqz

PS: The return in the header is incorrect it should be

stan@suntzu.West.Sun.COM

Date: 14 Mar 91 12:51:52 GMT
From: dog.ee.lbl.gov!hellgate.utah.edu!caen!zaphod.mps.ohio-state.edu!think.com!
linus!linus!mwunix.mitre.org!m21198@ucsd.edu
Subject: Icom CI V interface specs?
To: info-hams@ucsd.edu

I am looking for the spec for the Icom CI V computer interface, specifically for the 735. Looks like it might be fun to play with. Please e-mail replies.

Date: 18 Mar 91 19:49:39 GMT
From: agate!stanford.edu!leland.Stanford.EDU!stankus@ucbvax.berkeley.edu
Subject: Looking for High Voltage Capacitors
To: info-hams@ucsd.edu

I am desperate need of some high voltage capacitors (4-6KV) 5pF. Since the demise of the vacuum tube nobody seems to make these anymore. Does anyone know of a source for these and other HI-Voltage Capacitors.

Thanks

John J. Stankus N5PEE Dept. of Chemistry
stankus@leland.stanford.edu Stanford University

Date: 14 Mar 91 21:09:56 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!ub!ajay@ucsd.edu
Subject: Looking for Old Manuals
To: info-hams@ucsd.edu

I'm trying to locate the Tech/User manuals of an old HRO-60 comm. receiver

(manuf. National Radio Co.) It seems the company's gone out of business.
The receiver's in a bad shape, but a friend wants to put it together.

Q.1 : Are there any shops that keep such manuals, and if so, could someone
please send me the addresses, etc.?

Q.2 : Would anyone on the net be having these manuals ? I'd appreciate if a
kind soul could send me a copy. I'll bear all costs.

Thanks in advance...

73,

Ajay

Date: 14 Mar 91 22:00:10 GMT
From: gatech!udel!haven!umbc3!gmuvox2!alewis@ucsd.edu
Subject: magnetic antennas for HF
To: info-hams@ucsd.edu

Hi,

I am looking for pointers to companies selling magnetic antennas for
HF (loop or loop-stick.) Automatic tuning would be preferable but is
not necessary. The only place I could think of was Palamar Engineering,
and they are closed for a vacation. Any guidance would be appreciated.

Thanks,

Alan (:^|

Date: 15 Mar 91 16:40:24 GMT
From: hpfcso!hplvec!reid@hplabs.hpl.hp.com
Subject: Mailing lables
To: info-hams@ucsd.edu

Call up your favorite 1-800 software distributor and ask for the
Avery LabelPro package. It'll probably run you about \$45-\$55.
User interface leaves a lot to be desired, but it will do just
what you want. It can even put little pictures (clip-art) on
the labels.

Date: 22 Mar 91 09:11:08 GMT
From: news-mail-gateway@ucsd.edu
Subject: MAJOR SOLAR FLARE ALERT - 21 MARCH - TWO EVENTS
To: info-hams@ucsd.edu

-- MAJOR SOLAR FLARE ALERT --

MARCH 21, 1991

Flare Event Summary
Potential Impact Assessment

MAJOR ENERGETIC EVENT SUMMARY

Two major flares erupted from Region 6555 on 21 March. The first began at 20:17 UT, peaked at 20:31 UT and ended at 20:34 UT on 21 March. It was located at S13E29 and attained a class X1.0/1N rating. It was associated with rather weak radio bursts and had a low integrated x-ray flux. This event was impulsive. No sweeps were observed.

The second major flare began at 23:35 UT, peaked at 23:44 UT on 21 March, and ended at 00:01 UT on 22 March. This event attained a class M5.4/2B rating and was associated with a fairly strong Type IV event. However, this flare was impulsive as well.

Region 6555 (now located at S24E30) remains impressive and is the largest and most complex region currently visible. Spot counts have increased to 75 in this region, which still maintains a magnetic beta configuration.

POTENTIAL TERRESTRIAL IMPACT ASSESSMENT

The first major flare (the X-class event) will not have a terrestrial impact. It was a high-amplitude event in x-rays, but has not produced any significant radio emissions and was quite impulsive.

The second major flare is still being studied and the potential impacts will not be fully known until later on 22 March. It presently appears as though a small risk exists for a light terrestrial impact (mostly over the higher latitudes) sometime on 24 March. However, this flare was not radio rich. The only truly noteworthy phenomena associated

with this flare was the moderate to strong intensity Type IV which accompanied the flare. The integrated x-ray flux of this flare was low. So there is a higher probability that no terrestrial impacts will be observed. A more accurate assessment will be released on 22 March after all of the data has been analyzed.

Isolated major flaring will likely continue from Region 6555 over the next 24 to 72 hours. Minor M-class flaring will certainly continue at a fairly frequent rate. Associated minor SIDs/SWFs could cause momentary disruptions in HF radio communications. A total of seven SID's/SWF's were observed (some are unconfirmed at the present time) on 21 March, associated with the fairly frequent M-class flaring from Region 6555.

A period of minor geomagnetic storming occurred between 12:00 UT and 15:00 UT over middle latitudes. This period was preceded by a sudden impulse which occurred near 06:00 UT on 21 March over some middle latitude stations. Locally, the only significant perturbation occurred at 13:45 UT and was rated as a minor storm level fluctuation with a fairly rapid rise-time and slow decay. High latitudes experienced active to severe storming during this period. Some high latitude auroral storming was also noted in conjunction with this increased geomagnetic activity. It is difficult to pinpoint the cause of this activity, as there were several events which may have been responsible. However, at the present time, it appears as though the major class M6.7/2B flare of 19 March is most likely responsible. Auroral activity remained confined to the high and northerly middle latitudes. HF radio conditions during this period of storm activity was degraded to generally poor levels over middle latitudes and very poor levels over the high latitudes. Conditions improved rapidly after 16:00 UT, as did geomagnetic activity over the middle latitudes.

A bulletin stating the potential impacts of the last major M-class flare will be issued later on 22 March. The POTENTIAL MAJOR SOLAR FLARE WARNING and the POTENTIAL SATELLITE PROTON EVENT WARNING remain in effect. Geomagnetic activity should remain at unsettled to active levels over the next 24 hours. Auroral activity will remain at low to moderate levels over the middle and/or northerly middle latitudes on 22 March, with moderate to high levels of activity likely over the high latitudes. Low latitudes will not witness any auroral activity.

** End of Alert **

Date: 22 Mar 91 19:57:23 GMT
From: news-mail-gateway@ucsd.edu
Subject: MAJOR SOLAR FLARE ALERT - 22 MARCH - STRANGE TYPE IV WITH 21 MARCH
To: info-hams@ucsd.edu

-- MAJOR SOLAR FLARE ALERT --

MARCH 22, 1991

Flare Event Summary
Potential Impact Assessment

MAJOR ENERGETIC EVENT SUMMARY

Another major flare erupted from Region 6555 at a location of S25E35. This event began at 08:33 UT, peaked at 08:40 UT and ended at 09:19 UT on 22 March. There was a tenflare with this event, rated at 870 s.f.u.. Also, a 245 MHz burst was observed at an intensity of 12,000 s.f.u. No sweeps were observed. The flare was fairly impulsive and had a low integrated x-ray flux. The event attained a class M6.3/1B rating.

POTENTIAL TERRESTRIAL IMPACT ASSESSMENT

No terrestrial impacts are expected with this latest major flare. It had some moderately strong radio emissions but was not associated with any sweeps and was an impulsive event.

The most strange event which is really turning heads is the major class 5.4/2B flare of 21 March (at 23:44 UT). This event was not particularly unusual as far as the flare itself goes, but the radio emissions observed were very odd indeed. The flare was associated with a strong Type IV emission which drifted from low to high frequencies (it should have been the other way around). The emission increased in intensity with time and reached very brilliant levels. The event is STILL IN PROGRESS at the time of this writing. It has been categorized a continuum Type IV emission. It is perhaps one of the strangest emissions observed in seven years. Something is vigorously exciting the electrons over that region, but no one knows what it might be. The flare itself was not extraordinary. In fact, it was rather "average".

There is a possibility that a Type II could have occurred with the 23:44 UT flare of 21 March. There is uncertainty regarding this due to the fact that the Type IV drifted from low to high frequencies and may have "swallowed" the Type II emission. So it is certainly possible that a Type II could have occurred with this event (it would normally be observed with a Type IV continuum emission as intense as this one has been).

This event is very difficult to assess as far as potential terrestrial impacts are concerned. The flare itself was impulsive and of rather low intensity. But the wierd long duration Type IV continuum emission together with the possible occurrence of a Type II is raising questions. We currently believe that a low to moderate risk exists for increased terrestrial activity late on 23 March or on 24 March. There is a slightly higher probability that no terrestrial impacts will occur, but these predictions are not associated with high confidence levels. A Potential Geomagnetic Storm Warning may be issued on 23 March just to cover the "bases." Analysis of this odd event will continue.

Major flaring is expected to continue from Region 6555. Terrestrial impacts from very energetic flaring could be high. Watch for future alerts and possible warnings.

** End of Alert **

Date: 18 Mar 91 00:32:35 GMT
From: munnari.oz.au!mullian.ee.mu.OZ.AU!strick@THEORY.TN.CORNELL.EDU
Subject: Morse
To: info-hams@ucsd.edu

I have just become interested in amateur radio. The theory for exams doesn't appear to be a problem. However, I need to teach myself morse and as a result I am looking for a computer program for an IBM that teaches morse code.

Cheers Larry.

Date: 13 Mar 91 20:56:47 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!
cunif.cc.columbia.edu!cunib.cc.columbia.edu!mig@ucsd.edu
Subject: non-11m 'CB' bands
To: info-hams@ucsd.edu

In article <917@nddsun1.sps.mot.com> waters@nddsun1.sps.mot.com (Mike Waters) writes:

>In article <64364@eerie.acsu.Buffalo.EDU> v127p9xg@ubvmsd.cc.buffalo.edu writes:
>>
>>I have recently found out that frequencies in the 72-75Mhz and ~462-467Mhz
>>ranges are considered "CB".

What license is needed to use these frequencies?

* * * * * ===== Meir Green
* * * * * ===== mig@cunib.cc.columbia.edu
* * * * * ===== N2JPG

Date: 15 Mar 91 21:47:01 GMT
From: edsews!edsd!gss@uunet.uu.net
Subject: Novice exam study material
To: info-hams@ucsd.edu

Please excuse me if this is a frequently asked question. I'd like to get into amateur radio, and was wondering if anyone has recommendations for study guides for the amateur class. I've seen the Radio Shack course and know that ARRL has one. Email responses and I'll post a summary. Thanks.

Gary Schiltz
EDS Research and Development
gss@edsd.eds.com

Date: 15 Mar 91 10:49:13 GMT
From: mcsun!ukc!vision!mgc!dave@uunet.uu.net
Subject: Orbital Predictions for Unix
To: info-hams@ucsd.edu

Does anyone have sources for PD/Shareware that will perform orbital predictions on Unix? Preferably taking the standard NASA kepler postings as input.

I seem to remember a program/package called 'orbit'.

Thanks in advance

--
Dave Lockwood dave@mgc.uucp
Head of Technology ...!uunet!mcsun!ukc!vision!mgc!dave

MG Computer Systems Ltd, PO Box 50, Doncaster, DN4 5AW +44-302-738770

Date: 18 Mar 91 23:45:01 GMT
From: sun-barr!newstop!west!stan@decwrl.dec.com

Subject: Sony 2001
To: info-hams@ucsd.edu

Posted a few weeks ago asking if anyone had any Mods for the Sony 2001, so far no replies. What I did get were a lot of requests to pass on any info I get. Also I compared it to a Kenwood TS 430 on the same antenna and the Sony could only get about 50% of the stations, is this normal? Thanks.

Stan,kb6rqz

PS: the address in the header is wrong, send e-mail to

stan@suntzu.West.Sun.COM

Date: 14 Mar 91 14:58:11 GMT
From: hpfcso!hpfc dj!goris@hplabs.hpl.hp.com
Subject: TH-77A hum in TX audio
To: info-hams@ucsd.edu

I have not noticed a problem with hum on my TH-77A. My serial number is 20705334. Can you tell me which resistor they said to change, and to what value? I would like to know this for future reference, should the problem ever come up.

Thanks,
Andy Goris AA0CM goris@hpfclm.hp.com

Date: 13 Mar 91 21:15:32 GMT
From: sdd.hp.com!spool.mu.edu!sol.ctr.columbia.edu!cunif.cc.columbia.edu!
cunib.cc.columbia.edu!mig@ucsd.edu
Subject: TH-77 mods
To: info-hams@ucsd.edu

In article <1991Mar13.211026.12843@cunif.cc.columbia.edu>
mig@cunib.cc.columbia.edu (Meir) writes:

....
Don't forget to reset the CPU when you are done!
* * * * * ===== Meir Green
* * * * * ===== mig@cunib.cc.columbia.edu
* * * * * ===== N2JPG

Date: 22 Mar 91 15:23:54 GMT
From: news-mail-gateway@ucsd.edu
Subject: WEATHER FAX ON PC'S
To: info-hams@ucsd.edu

I am looking for hardware/software solutions to receiving weather fax on PC's. What I need the hardware/software to do is receive HF weather charts from broadcast and/or landline. Some other criteria that I need to be met is that the system must be able to receive and save weather fax charts and to automatically save the individual charts to files without operator intervention. The system must be able to selectively pick the charts it wants to save to file. The system must be able to run in background and to be able to print out a file while receiving incoming charts.

If any one out there has any info you can get me at navoea@tecnet1.jcte.jcs.mil

/Dwight/

Date: 21 Mar 91 11:22:41 GMT
From: news-mail-gateway@ucsd.edu
Subject: Yaesu FT-470 Mods
To: info-hams@ucsd.edu

Is there a way for the 470 to receive in the 800 Mhz range?

Thanks.

Scott [Internet: sehrlich@lynx.northeastern.edu]

End of Info-Hams Digest
